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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/652,803	08/29/2003	Joshy Joseph	POU920030143US1	2021
7590		08/28/2007		
Philmore H. Colburn II				
Cantor Colburn LLP				
55 Griffin Road South				
Bloomfield, CT 06002				
			EXAMINER	
			HO, ANDY	
			ART UNIT	PAPER NUMBER
			2194	
			MAIL DATE	DELIVERY MODE
			08/28/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

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<b>Office Action Summary</b>	Application No. 10/652,803	Applicant(s) JOSEPH, JOSHY	
	Examiner Andy Ho	Art Unit 2194	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 August 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>8/29/2003</u> . | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. This action is in response to the application filed 8/29/2003.
2. Claims 1-30 have been examined and are pending in the application.

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 7-9 and 22-25 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The following terms lack antecedent basis:

- (i) said GSR binding encoding information – line 2 claim 7.

Correction is required.

- (ii) said GSR binding encoding information – line 2 claim 22.

Correction is required.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section

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351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-30 are rejected under 35 U.S.C. 102(e) as being anticipated by Hodges U.S Publication No. 2004/0123232.

**As to claim 1**, Hodges teaches (Fig. 3) a method for creating a dynamic client side service proxy framework using meta-data and introspection capabilities of Open Grid Services Architecture (Open Grid Services Architecture, paragraph 0038 page 3) service data, the method comprising:

defining an Open Grid Service Invocation Factory configured to create a service proxy (paragraph 0038 page 3);

introspecting an Open Grid Service Infrastructure service based on information exposed by the service (paragraph 0043 page 4); and

creating an OGSi Service Invocation Proxy defining a set of dynamic interfaces based on said service introspection and a meta-data inspection interface of said Service Invocation Proxy (paragraph 0044 page 4);

wherein said Service Invocation Proxy exposes both static port type interfaces and dynamic interfaces to support more flexibility of the client (paragraph 0046 page 4).

**As to claim 2**, Hodges further teaches said OGSi service based information includes service data elements, port types, Grid Service Reference (GSR) values, operation extensibility parameters (paragraph 0043 page 4).

**As to claim 3**, Hodges further teaches said dynamic interface includes a minimum of a Grid Service port type (paragraph 0046 page 4).

**As to claim 4**, Hodges further teaches said Service Invocation Proxy provides inspection features on the service including at least one of: service implemented port types, static and dynamic service data types, Qnames, and language specific types (paragraph 0047 page 4).

**As to claim 5**, Hodges further teaches said static port type interfaces include at least one of a port type and service interface (paragraph 0046 page 4).

**As to claim 6**, Hodges further teaches said dynamic interfaces include a common set of programming patterns (paragraph 0046 page 4).

**As to claim 7**, Hodges further teaches binding choices based on said GSR binding encoding information that is hidden from the client (paragraph 0047 page 4).

**As to claim 8**, Hodges further teaches said GSR encoding includes Web Services Description Language (WSDL), WSIF, JAX-RPC and CORBA IOR (paragraphs 0025-0026 page 2).

**As to claim 9**, Hodges further teaches said encoding is configured to support multiple transport binding information including SOAP/HTTP and SOAP/JMS (paragraphs 0025-0026 page 2).

**As to claim 10**, Hodges further teaches refreshing said Service Invocation Proxy based on GSR lifetime information (paragraph 0043 page 4).

**As to claim 11**, Hodges further teaches said framework further comprises creation of a service data language types from extensible markup language schema types at runtime (paragraph 0022 page 2).

**As to claim 12**, Hodges further teaches said framework further comprises a pass through interface mechanism for web service call properties including security, transaction, logging and other information (paragraph 0024 page 2).

**As to claim 13**, Hodges further teaches said framework further comprises a caching mechanism for service types and GSR framework (paragraph 0043 page 4).

**As to claim 14**, Hodges further teaches said caching mechanism optimizes performance by avoiding round-trips to the service (paragraph 0043 page 4).

**As to claim 15**, Hodges further teaches said framework further comprises an introspection mechanism on service calls configured to support common programming "aspects" as defined by Aspect Oriented Programming concepts (paragraphs 0023-0025 page 2).

**As to claims 16-30**, they are system claims of claims 1-15, respectively. Therefore, they are rejected for the same reasons as claims 1-15 above.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andy Ho whose telephone number is (571) 272-3762. A voice mail service is also available for this number. The examiner can normally be reached on Monday – Friday, 8:30 am – 5:00 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Thomson can be reached on (571) 272-3718.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIM) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2100.

Any response to this action should be mailed to:

Commissioner for Patents

P.O Box 1450

Alexandria, VA 22313-1450

Or fax to:

- AFTER-FINAL faxes must be signed and sent to (571) 273 - 8300.
- OFFICAL faxes must be signed and sent to (571) 273 - 8300.
- NON OFFICAL faxes should not be signed, please send to (571) 273 - 3762

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A.H

August 20, 2007

A handwritten signature in black ink, appearing to read "Andy H", with a long horizontal flourish extending to the right.